



# Practice Masters Level A

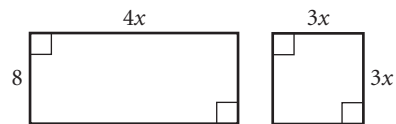
## 3.5 Using the Distributive Property

Solve each equation.

1.  $5s + 4 + s = -20$  \_\_\_\_\_
2.  $9(c-2) = 18$  \_\_\_\_\_
3.  $12a - 7 - 5a = 14$  \_\_\_\_\_
4.  $6y - 4 = 2y + 12$  \_\_\_\_\_
5.  $(3x - 2)7 = 5x + 2$  \_\_\_\_\_
6.  $4m + 12 = m - 3$  \_\_\_\_\_
7.  $-2y(3 + 4) = 8y + 12$  \_\_\_\_\_
8.  $4(2 + 3r) = 4$  \_\_\_\_\_
9.  $7c + 5 = 2(3c - 4)$  \_\_\_\_\_
10.  $10d = (8d - 6)2$  \_\_\_\_\_
11.  $3a - 9 = 3(9 - 3a)$  \_\_\_\_\_
12.  $18x = 2(3x + 6)$  \_\_\_\_\_
13.  $6(h - 2) = -6$  \_\_\_\_\_
14.  $11(h - 2) = 6h + 3$  \_\_\_\_\_
15.  $12b - 6 = 6(2 - b)$  \_\_\_\_\_
16.  $7(2d - 3) = 6d + 3$  \_\_\_\_\_
17.  $23 - 2a = 3(a - 4)$  \_\_\_\_\_
18.  $-16 = 8(x - 3)$  \_\_\_\_\_
19.  $-8g + 6 = (6g + 8)2$  \_\_\_\_\_
20.  $34 = -2(4 - 3x)$  \_\_\_\_\_
21.  $10a - 4 = 3(6a - 4)$  \_\_\_\_\_
22.  $7(4 - 2g) = -7g$  \_\_\_\_\_
23.  $2y - 12 = -4(2y - 2)$  \_\_\_\_\_
24.  $6x = -3(2x - 4)$  \_\_\_\_\_
25.  $2(x + 4) = 4(5 - 3x)$  \_\_\_\_\_
26.  $-5h = 2(-2h + 6)$  \_\_\_\_\_
27.  $-4y = 4(5y + 6)$  \_\_\_\_\_
28.  $2 = -(4l - 2)$  \_\_\_\_\_
29.  $-2(f + 1) = -2$  \_\_\_\_\_
30.  $6(d - 1) = 3(d + 5)$  \_\_\_\_\_
31.  $-2g - 10 + 3g = -4$  \_\_\_\_\_
32.  $x = 3(5 + 2x)$  \_\_\_\_\_

Write an equation for each situation. Do not solve.

33. Mrs. Tyler has two rectangular flower gardens. If the perimeters of the two gardens are equal, find the value of  $x$ .



34. The product of 3 and the sum of a number and 5 is the same as the product of  $-2$  and the difference of the same number from 3. Find the number.

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